

WHAT IS CLAIMED IS:

1. A method for performing speaker verification based on speaker independent recognition of commands, the method comprising:

5 receiving an utterance from a speaker;  
identifying a command associated with the utterance by performing speaker independent recognition (SIR);  
eliminating a prompt for a password if a speaker verification template associated with the identified  
10 command includes adequate verification data; and  
verifying the speaker identity by comparing the utterance with the speaker verification template associated with the identified command.

15 2. The method of Claim 1, further comprising recording speaker dependent voice patterns associated with the utterance to create the speaker verification template.

20 3. The method of Claim 1, further comprising:  
recording speaker dependent voice patterns associated with the utterance to create the speaker verification template; and  
executing the identified command if the utterance  
25 matches the speaker verification template.

4. The method of Claim 1, further comprising:  
prompting the speaker to enter a password if the utterance does not match the speaker verification  
30 template; and  
verifying the speaker identity based on the password.

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5. The method of Claim 1, further comprising:  
prompting the speaker to enter a password if the  
utterance does not match the speaker verification  
template;

5 verifying the speaker identity based on the  
password;

recording speaker dependent voice patterns  
associated with the utterance to create the speaker  
verification template; and

10 executing the identified command.

6. The method of Claim 1, further comprising:  
prompting the speaker for a password if the speaker  
verification template associated with the identified  
15 command does not comprise adequate verification data; and  
verifying the speaker identity based on the  
password.

7. The method of Claim 1, further comprising:  
20 prompting the speaker for a password if the speaker  
verification template associated with the identified  
command does not comprise adequate verification data;

verifying the speaker identity based on the  
password;

25 recording speaker dependent voice patterns  
associated with the utterance to create the speaker  
verification template; and

repeating the prompting, verifying and recording  
steps until the speaker verification template associated  
30 with the identified command comprises adequate  
verification data.

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8. A speaker verification unit, comprising:  
a network interface operable to couple to a communication network;

a database coupled to the network interface, the  
5 database comprising a plurality of speaker verification templates associated with a plurality of commands; and

a processing module coupled to the network interface, the processing module operable to:

receive a command from a speaker;  
10 identify the command by performing speaker independent recognition (SIR);

eliminate a prompt for a password if a speaker verification template associated with the identified command includes adequate verification data; and

15 verify a speaker identity by comparing the identified command with the speaker verification template associated with the identified command.

9. The speaker verification unit of Claim 8,  
20 wherein the processing module is further operable to:

record speaker dependant voice patterns associated with the identified command; and

store the speaker dependent voice patterns in the database to create the speaker verification template  
25 associated with the identified command.

10. The speaker verification unit of Claim 8, further comprising a service interface operable to couple to a server comprising a plurality of services associated  
30 with the commands.

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11. The speaker verification unit of Claim 10, wherein the processing module is further operable to:

record speaker dependent voice patterns associated with the identified command;

5 store the speaker dependent voice patterns in the database to create the speaker verification template associated with the identified command; and

access a service associated with the identified command from the server.

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12. The speaker verification unit of Claim 8, wherein:

the database further comprises a password associated with the speaker; and

15 the processing module is further operable to:

prompt the speaker to enter the password if the identified command does not match the speaker verification template;

20 compare the entered password with the password stored in the database; and

verify the speaker identity if the entered password matches the password stored in the database.

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13. The speaker verification unit of Claim 8,  
wherein:

the database further comprises a password associated  
with the speaker; and

5 the processing module is further operable to:

prompt the speaker to enter the password if the  
identified command does not match the speaker  
verification template;

10 compare the entered password with the password  
stored in the database;

verify the speaker identity if the entered  
password matches the password stored in the database;

record speaker dependent voice patterns  
associated with the identified command; and

15 store the speaker dependent voice patterns in  
the database to create the speaker verification template  
associated with the identified command.

14. The speaker verification unit of Claim 8,  
20 wherein:

the database further comprises a password associated  
with the speaker; and

the processing module is further operable to:

25 prompt the speaker to enter the password if the  
speaker verification template does not comprise adequate  
verification data;

compare the entered password with the password  
stored in the database; and

30 verify the speaker identity if the entered  
password matches the password stored in the database.

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15. The speaker verification unit of Claim 8,  
wherein:

the database further comprises a password associated  
with the speaker; and

5 the processing module is further operable to:

prompt the speaker to enter the password if the  
speaker verification template does not comprise adequate  
verification data;

compare the entered password with the password  
10 stored in the database;

verify the speaker identity if the entered  
password matches the password stored in the database;

record speaker dependant voice patterns  
associated with the identified command; and

15 store the speaker dependent voice patterns in  
the database to create the speaker verification template  
associated with the identified command.

16. The speaker verification unit of Claim 8,  
20 wherein the command is selected from the group consisting  
essentially of call, store, access, forward, or redial.

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17. Logic encoded in media for performing speaker verification based on speaker independent recognition of commands and operable to perform the following steps:

receiving an utterance from a speaker;

5 identifying a command associated with the utterance by performing speaker independent recognition (SIR);

eliminating a prompt for a password if a speaker verification template associated with the identified command includes adequate verification data; and

10 verifying the speaker identity by comparing the utterance with the speaker verification template associated with the identified command.

18. The logic encoded in media of Claim 17, further comprising:

recording speaker dependent voice patterns associated with the utterance to create the speaker verification template; and

20 executing the identified command if the utterance matches the speaker verification template.

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19. The logic encoded in media of Claim 17, further comprising:

prompting the speaker to enter a password if the utterance does not match the speaker verification  
5 template;

verifying the speaker identity based on the password;

recording speaker dependent voice patterns associated with the utterance to create the speaker  
10 verification template; and

executing the identified command.

20. The logic encoded in media of Claim 17, further comprising:

15 prompting the speaker for a password if the speaker verification template associated with the identified command does not comprise adequate verification data;

verifying the speaker identity based on the password;

20 recording speaker dependent voice patterns associated with the utterance to create the speaker verification template; and

repeating the prompting, verifying and recording steps until the speaker verification template associated  
25 with the identified command comprises adequate verification data.

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21. An apparatus for performing speaker verification based on speaker independent recognition of commands:

means for receiving an utterance from a speaker;

5 means for identifying a command associated with the utterance by performing speaker independent recognition (SIR);

means for eliminating a prompt for a password if a speaker verification template associated with the identified command includes adequate verification data; and

10 means for verifying the speaker identity by comparing the utterance with the speaker verification template associated with the identified command.

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22. The apparatus of Claim 21, further comprising:

means for recording speaker dependent voice patterns associated with the utterance to create the speaker verification template; and

20 means for executing the identified command if the utterance matches the speaker verification template.

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23. The apparatus of Claim 21, further comprising:  
means for prompting the speaker for a password if  
the speaker verification template associated with the  
identified command does not comprise adequate  
5 verification data;  
means for verifying the speaker identity based on  
the password;  
means for recording speaker dependent voice patterns  
associated with the utterance to create the speaker  
10 verification template; and  
means for repeating the prompting, verifying and  
recording steps until the speaker verification template  
associated with the identified command comprises adequate  
verification data.

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